

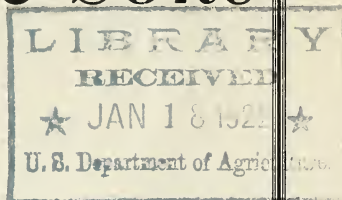
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D. A. White & Sons

*Wholesale
and Retail*



*Feedmen and Seedsmen
Poultry and Bee Supplies*

251-261 State St., Salem, Oregon

1922 PRICE LIST OF

Farm, Field and Garden Seeds

Poultry Feeds, Sprays, Fertilizers, Etc.

On account of the various market changes in prices, we quote subject to the following statement:

We guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipment.

Disclaimer

D. A. White & Sons give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants that they send out, and will not be in any way responsible for the crop.

Selected, Tested Vegetable Seeds

ASPARAGUS

Palmetto. One of the best varieties. Quality, first class. Pkt. 10c; oz. 20c; lb. \$1.25, postpaid.

BEANS

Any variety at the following prices **Postpaid**, Pkt. 20c; lb. 35c; 10 lbs. \$3.00. **Not Postpaid** pkt. 15c; lb. 30c; 10 lbs. \$2.50.

DWARF OR BUSH, GREEN PODDED

Stringless Green Pod. The most popular variety on the market for home garden or the market. Fine for canning. Very prolific.

Refugee. An old standard variety. Fine for canning, home or market.

Red Valentine. A well known variety that produces a large crop.

WAX PODDED BUSH BEANS

Davis White Wax. Rustless and very productive. Long yellow pods that can be used for canning, home or market.

Golden Wax. One of the most popular garden varieties. Pods are long and a beautiful golden yellow, crisp and tender.

Improved Black Wax. The earliest of all wax beans. Excellent quality and very productive.

POLE BEANS. GREEN AND WAX PODDED

Kentucky Wonder. The most popular pole bean grown. A heavy producer and lasts until frost time. Pods are very long, fleshy and deeply creased. Green in color and stringless.

Kentucky Wonder Wax. Similar to the above but long yellow pods.

White Crease Back. Long slender pods, crisp and tender. Fine for pickles, canning and table.

Lazy Wife. An old standard, well known bean. Large podded, green in color.

White Dutch Case Knife. An old favorite. Very fine for table or canning.

Scarlet Runner. The well known, old fashioned climber. Bright, scarlet flowers.

Castor Beans. Used for medicinal purposes and by some claimed to keep moles away from gardens. Very ornamental.

Oregon Giant. ((Dickinsons Yount.)) Pods 10 to 12 inches in length, crisp and tender.

Burpee's Bush Lima. A fine, dwarf variety. Very prolific. Pods and beans large; fine for green shelled.

Oregon Pole Lima. [The best variety for this climate. A heavy producer and excellent quality. Bears until frost comes. Special price. **Postpaid**, pkt. 25c; lb. 40c. **Not postpaid**, pkt. 20c; lb. 35c.]

BEETS, TABLE VARIETIES

Any variety at the following prices. **Postpaid**, pkt. 10c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25.

Improved Blood Turnip. A fine table variety. Turnip shaped with deep red flesh.

Detroit Dark Red. Globe shaped, bright, rich, red flesh. Fine for market or table.

Extra Early Egyptian. Very popular variety. Bright red with clear vermillion flesh.

Early Eclips. Globe shaped. Flesh deep crimson, zoned with pink.

Half Long Blood. Grows about eight inches long. Deep red flesh.

Long Dark Smooth Blood. The leading late variety; keeps all winter. Flesh deep purple, fine and sweet.

SWISS CHARD

Lucullus. The finest variety. Cultivated for its stalks and leaves which are prepared and served like asparagus. Also, becoming very popular for greens for poultry as it is more productive than kale. **Pkt. 10c; oz. 20c; lb. \$2.00 postpaid.**

MANGEL WURZEL, SUGAR AND STOCK BEETS

Any variety at the following prices. **Postpaid, oz. 10c; ½lb. 40c; lb. 70 c; 10 lbs. \$6.50.**

Mammoth Long Red. One of the finest varieties grown. Grows very large.

Golden Tankard. A heavy producer and good for heavy soils.

New Mangel Half Sugar. Becoming very popular as it is sweeter than a regular mangel. Makes fine feed.

Danish Sludstrop. Long, reddish yellow, grows well above the ground and easy to pull. Very productive and excellent quality.

Sugar Beets. (True Stock.) Flesh, white and tender, fine for table, also excellent stock feed.

BIRD SEEDS AND SUPPLIES

Seeds are all recleaned and first class quality. Can supply Canary, Hemp, Millet, Bird Rape and Sunflower seed. **Price, postpaid, lb. 25c; not postpaid, 15c. per lb.**

Bird Gravel	Pkg. 15c; postpaid, 25c.
Red Gravel.	Pkg. 25c; postpaid, 35c.
Silver Gravel	Pkg. 30c; postpaid, 40c.
Bird Sand.	Pkg. 25c; postpaid, 35c.
Song Restorer.	Pkg. 25c; postpaid, 30c
Birdoline.	Pkg. 25c; postpaid, 30c.
Bird Mana.	Pkg. 15c; postpaid, 20c.
Cuttle Bone.	Oz. 10c; postpaid, 15c.

BROCCOLI

Western Oregon is now producing the finest broccoli grown in America. A fine market has been secured through out the East and it has proven a very profitable crop.

St. Valentine. This variety has proven to be the only variety to grow. Producing the finest heads, immense size and excellent quality. **Pkt. 10c; ¼oz. 40c; 1 oz. \$1.25.**

BRUSSELS SPROUTS

Dwarf Improved. Very hardy and producing compact sprouts of large size and good quality. **Pkt. 10c; oz. 40c.**

CABBAGE

All at the uniform price of **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50 postpaid.**

EARLY VARIETIES

Early Jersey Wakefield. An old favorite, sharp, conical head. Sown both fall and spring.

Charleston Wakefield. The best known early variety. Medium sized conical head. The favorite market variety.

Early Dwarf Flat Dutch. This is the favorite early, flat headed variety. Very productive.

MEDIUM AND LATE VARIETIES

Danish Ball Head. The finest late variety grown, either for market or home garden. Firm, solid heads, medium sized, round and very solid.

Late Flat Dutch. The favorite large late variety.

Late Drumhead. Has no superior for family or market in the large varieties.

Sure Head. The surest cropper of the late varieties. Large solid head.

CAULIFLOWER

Price, postpaid, pkt. 10c; oz. \$1.00

Early Snowball. The most popular variety grown of the early sorts. Quality first class and good size.

Large Algiers. A valuable late variety, sure to head, of the best quality.

Autumn Giant. Heads are large, white and compact, excellent quality.

CARROTS

All at the uniform price of pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.00, postpaid.

Chantenay. The finest variety for the market or home garden. Smooth and tender. Deep orange color.

Danvers Half Long. The smooth handsome roots are orange color and medium length. A heavy cropper and make fine feed.

Ox Heart. A thick carrot, five or six inches long and very blunt at the lower end. Orange color.

Long Orange. Grows to a large size. Best adapted to sandy or loose soil. A favorite for stock feeding.

Large White Belgian. Grown for stock feeding. Very productive. Easily pulled.

Large Mastadon or Short White. Roots half long, smooth, very heavy at shoulder, but tapering regularly at the point. Very productive.

CHICORY

Large or Coffee. The favorite variety. Pkt. 10c; oz. 25c; postpaid.

CELERY

White Plume. The leading white celery. A handsome, crisp sort, of very easy cultivation. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lbs. \$1.25; postpaid.

Golden Self Blanching. The best celery for early market or home garden of the yellow meated kinds. Easily blanched. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.25, postpaid.

CRESS

Curled or Pepper Grass. Used as a salad dressing. Pkt. 10c; oz. 20c; postpaid.

Water Cress. Thrives only when the roots or stems are submerged in water. Leaves used as a salad. Pkt. 10c; oz. 50c.

CORN—Sweet or Table Varieties

Uniform price of pkt. 15c; lb. 35c; 10lbs. \$3.00, postpaid.

Pkt. 15c; lb. 25c; 10 lbs. \$2.35, not postpaid.

Golden Bantam. One of the finest sweet corns grown. Very early, tender and extra sweet. Golden in color.

Early Minnesota. The favorite extra white variety. Fine for canning.

Howling Mob. A favorite of the market gardeners. Extra early white corn of finest quality.

Early Evergreen. Follows the early varieties and is an excellent corn.

Stowells Evergreen. This is the most popular and best main crop sweet corn grown. Excellent quality and lasts until killed by frost. Very productive. Makes fine fodder and ensilage.

FIELD CORN

EXTRA, FANCY, SELECTED STOCK

We make a specialty of Field corn and offer you the finest varieties for this coast.

Uniform price of lb. 20c; 10 lbs. \$1.25; 25 lbs. \$2.50, postpaid.

Not postpaid, lb. 15c; 10 lbs. \$1.00; 100 lbs. \$8.00

Pride of Oregon. This is the best quality of Oregon grown corn and well selected. Ears are long, well filled with deep yellow kernels. Makes a fine silo corn as it grows to a good size as well as being early.

Minnesota No. 13, Yellow Dent. This variety is a favorite of many dairymen as an ensilage corn. A heavy producer.

Leaming, Yellow Dent. One of the most popular ensilage corns as it is very productive.

Pride of the North, Yellow Dent. Grown here for many years as a silo corn and is a heavy producer.

90 Day White. An early white corn that makes an abundance of fodder.

St. Charles White. A pure white corn with red cob. Used for silo.

Yellow Flint Corn. An extra early variety that will always ripen.

Red Flint Corn. An early eight row corn that does well here, always ripening.

POP CORN

White Rice. The best variety for this climate. Ripens early and is a good producer. Lb. postpaid, 20c; not postpaid, 10c; 10 lbs. 80c.

CUCUMBERS

Uniform price of pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

Early Short Green or Early Frame. An excellent small variety. Fine for pickles.

Chicago Pickling. The favorite pickling variety. Very prolific.

Imp. White Spine. A large, long variety that is fine for table or pickles.

Improved Long Green. The old family favorite. Always good for all purposes.

Lemon Cucumber. This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor all its own. Pkt. 10c; oz. 20c;

Wild Cucumber. A rapid growing climber. Very ornamental. Pkt. 10c; oz. 20c;

ENDIVE

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to bleach them.

Green Curled. A standard sort for fall and winter. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c.

White Curled. A beautiful variety with curled, mossy leaves for early use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

EGG PLANT

Black Beauty. An extra early, quick-growing, vigorous variety, handsome and very uniform. Color, deep blackish purple. Splendid market sort. Pkt. 10c; oz. 50c.

KALE

Dwarfed Green Curled. Leaves curled and a bright green. Pkt. 10c; oz. 20c.

Tall Scotch—Green Curled. Grows about two feet high; leaves dark green, curled and wrinkled; very hardy. Pkt. 10c; oz. 20c.

Thousand Headed. Grows very large. Used mostly for stock feeding. Pkt. 5c; lb. 65c; postpaid 75c.

KOHL RABI

Early White. Best table variety. Pkt. 10c; oz. 25c.

LEEK

Large Rouen. The favorite variety. Pkt. 10c; oz. 25c.

LETTUCE

New York or Wonderful. The finest head lettuce grown. The immense heads are solid, heavy, beautifully bleached to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. Used by all market gardeners. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

The following varieties at the uniform price of pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c, postpaid.

Hanson. An old standard variety that produces a fine head. White meated, crisp and tender.

Early Prizehead. A brown tinged leaved head lettuce that is a great favorite.

Early Curled Simpson. The leading curly variety, extra crisp and tender.

May King. The leading butter lettuce. Rich and tender.

Brown Dutch. The leading variety brown. Forms a large, solid head, sweet tender, and good flavor.

MUSK MELON

Price, postpaid, pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.

Large Yellow Cantaloupe. The flesh is light, yellowish green, very sweet, crisp and delicious.

Burrels Gem. The favorite market variety. Light green flesh which is very deep and delicious.

Rocky Ford or Netted Gem. The fruit is oval, slightly ribbed, densely covered with coarse netting. Green Fleshed. Fine for the market.

Green Nutmeg. An extra early variety that is fine for the home garden. Flesh green, fine and sweet.

Casaba. An excellent melon with very thick flesh.

WATER MELONS

Prices, pkt. 10c; oz. 20c; $\frac{1}{2}$ lb. 45c; lb. \$1.25, postpaid.

Early Fordhook. The best early melon for this valley for home use.

Sweet Heart. An excellent melon and a good shipper for the market.

Ice Cream. An old favorite that every one likes.

Tom Watson. A long melon that is fine for home garden or market.

CITRON

Used for preserves. Pkt. 10c; oz. 20c.

ONIONS

Oregon Yellow Danvers. A standard market variety developed in Oregon. A half globe shape with small neck. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 95c; lb. \$2.75, postpaid.

Yellow Globe Danvers. A handsome globe shaped variety that commands the top price on the market. Now the principal onion grown here for the market. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

Yellow Flat Danvers. A good cropper, matures quickly and a good keeper. Liked by many growers on account of its small neck. Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75, postpaid.

White Globe. A pure white, globed shaped variety. Flesh hard with wax like, pearl flesh. Used a great deal as a green onion for the market by gardeners. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00. lb; \$3.00, postpaid.

White Portugal or Silverskin. Skin and flesh, pure white, mild and flat shape. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid.

White Bermuda. One of the finest varieties grown for home garden. Mild and very sweet. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50, postpaid.

White Bunching. Used by market gardeners for a green onion. Pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 70c; lb. \$2.25, postpaid.

Red Wethersfield. A standard red variety that grows any place. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 80c; lb. \$2.50, postpaid.

Extra Early Barletta. A small, pure white, mild onion. Used mostly for pickles. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.35; lb. \$4.00, postpaid.

ONION SETS

Bottom Onion Sets. Small onions grown from seed. Used mostly for green onions but if left stand usually make large onions. Market price.

Top sets or Multipliers. So called winter onions as they grow all winter and are ready to use very early in the spring. Market price.

PARSLEY

Double Curled. Very hardy and easy to grow. Used for flavoring and garnishing. Pkt. 10c; oz. 20c.

Hamburg or Turnip Rooted. A plain leafed variety forming a long thick edible root. Pkt. 10c; oz. 20c.

PARSNIPS

Hollow Crown. Roots white, very tender, with smooth skin. Pkt. 5c; oz. 15; lb. \$1.00, postpaid.

PEPPER

Pkt. 10c; oz. 70c, postpaid.

Ruby King. Very large, sweet and mild. Bright scarlet.

Large Bell. Large, mild and thick fleshed. One of the best for stuffed pickles.

Chinese. An extra large variety. Mild and sweet.

Pimento. A new variety that is extremely popular.

Chili. Pods small and pointed. A hot one.

RADISH

Any variety at the following prices, postpaid. **Pkt. 5c, 10c; oz. 15c; ¼lb. 40c; lb. \$1.25.**

Early Scarlet Globe. A popular variety owing to its quick growth and fine scarlet color.

Early Scarlet Turnip or Rosy Gem. Used more than any other early variety. Color, bright rose carmine with white tip. Globe shape.

White Icicle. The most popular radish on the market. A handsome, white variety, growing about five inches long. Quick growing, crisp and mild flavor.

Long Scarlet, Short Top. A dandy radish. Color, bright carmine, flesh firm about six inches long. Fine for market.

Brightest Long Scarlet. A very showy, long scarlet radish with white tip.

French Breakfast. A popular variety for market or forcing; it is about two inches long, stump, rooted, bright rose color with white tip.

WINTER RADISHES

China Rose Winter. Bright rose color; flesh white and firm.

Mammoth White China. Roots are from ten to twelve inches long, solid, crisp and tender.

Long Black Spanish. Flesh white; one of the latest and hardiest.

RHUBARB

Victoria or Mammoth. Very large, finest cooking variety. **Pkt. 10c; oz. 20c; ½lb. 50c; lb. \$1.50, postpaid.**

SPINACH

Any variety at the following prices. **Pkt. 10c; ¼lb. 25c; lb. 75c, postpaid.**

Savoy, Leaves large, round and thick. One of the earliest sorts.

Prickly Winter. Hardest variety. Must be sown in the fall. Leaves long, pointed and thick.

Long Standing. An improved variety for general use. Remains in edible condition over long period as it is slow to go to seed.

SQUASH

Mammoth Summer Crookneck. Flesh tender and of good quality. **Pkt. 10c; oz. 15c; lb. \$1.25.**

Mammoth White Bush Scallop. The best summer sort for the market. **Pkt. 10c; oz. 15c; lb. \$1.25.**

Hubbard. The best seller and most popular squash; keeps through the winter. **Pkt. 10c; oz. 15c; lb. \$1.50.**

Golden Hubbard. The same size, shape and quality as the well known Hubbard squash, except that it is a bright red or golden color, and somewhat earlier; it is also a long keeper, vigorous and wonderfully productive; in flavor it has no equal. **Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.75.**

SALSIFY OR VEGETABLE OYSTER

Mammoth Sandwich Island. The leading tender variety. Produces a large crop of straight, smooth roots. **Pkt. 10c; oz. 25c; lb. \$2.25.**

GARDEN PEAS

Any variety at the following prices, postpaid. Pkt. 15c; lb. 40c; 10lb. \$3.50. Not postpaid. Pkt. 15c; lb. 30c; 10 lbs. \$2.75.

Blue Bantam. One of the finest extra varieties on the market. Grows about 15 inches high, very productive, large podded and sweet.

Little Marvel. A new pea that is becoming very popular. Grows about 15 to 18 inches high and pods are well filled with delicious peas.

American Wonder. The most popular early variety grown. A great favorite for home gardens.

Premium or Little Gem. An old standby of excellent quality.

Alaska. Extra early and hardy. May be planted in the fall in this valley and will produce a very large crop early in the spring. Fine for early market.

Gradus. Without doubt the most popular pea for the early market or home garden. Pods are extra large and well filled with large sweet peas.

Notts Excelsior. A fine early dwarf pea. Pods are well filled with sweet tender peas.

Dwarf Telephone. The most popular second early variety now on the market and the finest, sweetest pea grown.

Tall Telephone. The best mid season variety and a great favorite. Grown by all the market gardeners and cannot be excelled for home use.

Stratagem. One of the best of the large podded sorts. The pods are of immense size and well filled with large sweet peas.

Yorkshire Hero. A favorite variety for the second crop. Peas are of excellent quality, sweet and tender. Grows about 30 inches high.

PUMPKIN

Any variety at the following prices. Pkt. 10c; oz. 15c; lb. \$1.25.

Winter Luxury. The most popular pie pumpkin. Medium size, color, golden russet, finely netted flesh.

Sweet or Sugar. A fine grained variety that makes dandy pies. Skin, orange, flesh, deep yellow. Very sweet.

Golden Cushaw. One of the finest cooking varieties.

Large Yellow or Connecticut Field. Large, round, deep, glossy yellow. Grown mostly for stock feeding.

King of Mammoths. Grows to an enormous size. Very productive. Used for feed.

SUNFLOWER

Mammoth Russian. The favorite variety. Grown for ensilage, feed, etc. lb. 15c; postpaid, 25c.

TOMATOES

Earliest Producer. This is a new variety that is said to be the earliest large red tomato on the market. Fine quality and a heavy cropper. Try a package. Pkt. 10c; oz. 60c.

The New Burbank. This great tomato has proven a wonderful success. The tomato is large, smooth, bright red and solid meat and a wonderful producer. Pkt. 15c.

Chalks Jewel. An early variety that is well adapted for this climate as it is extra early and bears throughout the season. Pkt. 10c; oz. 45c;

Sparks Earliana. Large, smooth and early; beautiful red color. Pkt. 10c; oz. 45c.

Perfection. One of the best, medium early varieties. Round and smooth, bright red color. Pkt. 10c; oz. 40c.

Red Cherry. Fruit small and globe shaped. Fine for preserves. Pkt. 10c;

Husk or Ground Cherry. Used for preserves. Pkt. 10c.

TOBACCO

Connecticut Seed Leaf. Best adapted for general use. Pkt. 10c;

Havana. Preferred by many. Pkt. 10c.

TURNIPS

Any variety at the following prices, postpaid. Pkt. 5c; oz. 15c; ¼ lb, 35c; lb. \$1.00

White Egg. Is excellent flavor, clear white, sweet and mild.

White Flat Dutch. Flesh white, firm, tender and sweet.

Early Purple Top, Strap Leaved. Flat in shape. The leading white variety; one of the best for all purposes.

Purple Top, White Globe. The favorite variety. Excellent quality.

Yellow Aberdeen. Round, medium size, light yellow.

Cow Horn. Grows half out of the ground and is a rapid grower. Immense yielder.

RUTA BAGA

Same price as turnips.

Best of All. Flesh yellow, fine grained and a heavy cropper.

American Purple Top. Grows to a large size and produces an immense crop.

Sweet Russian. Most excellent for table and stock. Sweet and rich.

FIELD SEEDS

The following prices are the market price of today and are subject to market changes. When ready to buy, write us for prices, stating quantity wanted and we will quote you the market price at that time. Or, send in your order based on the following prices and we will guarantee that we will give you full value for money sent, whether the price at the time you order be higher or lower, or if the difference is very great, we will notify you before shipping.

We make a specialty of High Grade, Recleaned, Tested Seeds and Grains and we believe that the quality we are offering is the best that can be obtained on the market.

If wanted by parcel post, add regular parcel post rates, according to zone distance from Salem.

The following prices are F. O. B. Salem, Oregon:

	LB.	100 LBS.
Red Clover. Extra Fancy.....	\$.25	\$22.50
Red Clover. Fancy	24	21.50
Red Clover. Choice	23	20.00
Alsike Clover. Fancy	25	22.50
Alsike Clover. Choice	20	19.00
White Clover. Fancy	60	55.00
Sweet Clover. White Blossom.....	20	17.50
Sweet Clover. Yellow Blossom	10	9.00
Alfalfa. Fancy	25	24.50
Mammoth Red Clover. Fancy	30	26.50
Timothy. Fancy	15	11.00
Orchard Grass. Fancy	30	27.00
English Rye Grass. Fancy	15	12.50
Domestic Rye Grass	10	9.00
Italian Rye Grass. Fancy	15	12.50
Kentucky Blue Grass. Fancy	60	57.50
Lawn Grass. Fancy Mixed	60	55.00
Dwarf Essex Rape. Fancy.....	15	10.00
Mesquite. Hulled, Fancy	20	16.00
Red Top. Fancy Hulled	30	27.50
Oregon Vetch. Fancy.....	4	3.75
Rye. Recleaned, Winter	3	2.50
Grey Winter Oats. Recleaned	2½	2.00
White Spring Oats. Recleaned	2½	2.00
Wheat. Recleaned, Winter	2½	2.25
Barley. Recleaned	2½	2.00
Field Peas. Canadian	10	8.00
Millet. Broom Corn.....	15	10.00
Millet. Golden or German	15	10.00
Buckwheat. Japanese.....	10	7.50
Buckwheat. Silver Hull	10	7.50
Pasture or Burn Mixture	15	12.50
Sudan Grass.....	20	15.00
Kaffir Corn	10	7.50

SPRING WHEAT

Marquis. We were fortunate in securing one of the finest lots of Marquis wheat ever grown in the valley. This lot went over 40 bushel per acre last season and is certainly

a fancy lot of wheat. At the price we are offering it, every farmer will find it to his advantage to secure a start of this great wheat as the increased yield will far more than pay all his seedling and harvesting expenses.

Grain grades as a hard wheat and is very heavy. Heads are beardless, chaff smooth. Price, F. O. B. Salem, \$1.50 per bushel.

Any of the following standard spring wheats at the following prices, F. O. B. Salem, subject to market and prior sale, 100 lbs. \$2.25.

Grass Wheat. This is a well known spring wheat that does well in this valley. We have some very choice seed.

Red Durham. While this is a new variety it is proving very popular and a good wheat for the prairie and bottom land.

Defiance. A well known wheat that can be sown very late and still make a crop.

Red Odessa. A new variety that is proving a good yielder. Classes as a hard wheat

IF YOU DO NOT SEE LISTED WHAT YOU WANT, WRITE US AS WE HANDLE OTHER VARIETIES OF SEEDS NOT LISTED. We list only the principal kinds.

FLOWER SEEDS

THE "SPENCER" TYPE OF SWEET PEAS

Special Re-selected Stock for 1922

By reason of their increased size, waved or fluted appearance and charming blendings of harmonious colors, the new "Spencer" type may be appropriately described as Truly Gigantic "Orchid Flowered." The flowers are not only of extremely large size, and attractively waved or crinkled, but are distinct also in having the outer edges of the standard and wings serrated. The standard is broad and tall; the wings are broad, well spread and generally held erect by the keel.

White Spencer. A pure white flower of enormous size, beautifully fluted and crinkled. Of splendid substance. Pkt. 10c; oz. 35c.

King Scarlet Spencer. Bright, crimson scarlet, largest size, wavy standards. Very long stems, the finest bright scarlet. Pkt. 15c; oz. 50c.

Constance Hinton. The largest White Spencer. Slight tint of pink when first blooming. Very fine. Pkt. 10c; oz. 35c.

Mrs. Hugh Dickinson. A beautiful combination of Buff, Apricot and Rose. Pkt. 10c; oz. 35c.

Elfreda Pearson Spencer. Light pink or white, shaded and edged. Pkt. 10c; oz. 35c.

Florence Morse Spencer. White and Blush pink edge. Pkt. 10c; oz. 35c.

Hercules. A very large clear pink. Long stems. Pkt. 10c; oz. 35c.

Helen Lewis. A beautiful orange pink. One of the finest Spencers. Bright orange standard. Pkt. 10c; oz. 35c.

Florence Nightingale. A beautiful shaded lavender and rose. Pkt. 10c; oz. 35c.

Margaret Atlee. The Spencer Supreme. Margaret Atlee is a rose-salmon; pink on a creamy rich buff ground, soft color, and extremely attractive, both as individual flowers and in the bunch. The standard is large and wavy and inclined to double under favorable conditions. Pkt. 10c; oz. 35c.

Asta Ohn. Lavender suffused with mauve. Of perfect form, of largest size blossoms on long, strong stems; very vigorous. Pkt. 10c; oz. 35c.

Countess Spencer. Pink. Flowers extremely large, beautifully expanded, crumpled and waved. Color silvery white, suffused with soft shell pink, deeper at the outer edges. Pkt. 10c; oz. 35c.

Primrose Spencer. Color, true primrose. Very vigorous, free flowering, excels in beauty of form, length of stem and keeping quality. Pkt. 10c; oz. 40c.

Our Superb Mixture. True Spencers Only. A splendid mixture, carefully proportioned and blended to produce pleasing and harmonious combinations of color, containing the most beautiful shades and varieties of the wonderful Spencer type. These are not seedlings, but carefully selected named varieties that retain all their purity and brilliancy of color. Pkt. 10c; oz. 30c; lb. \$3.00.

White's Extra Fancy Grandiflora. Mixed. A fine selection of the different varieties, carefully blended together to make a beautiful showing of the different colors in a harmonious effect. Postpaid. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

NASTURTIUM

Fancy Tall Mixed. A fine selection of the different climbing varieties in all colors. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1b. \$1.25.

Tom Thumb or Dwarf. A fine selection of the dwarf variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

Golden Yellow. A magnificent climbing variety. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c. Postpaid.

King of the Blacks. A deep red, nearly black variety. Tall. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.

FLOWER SEEDS

We carry a large stock of the finest flower seeds and can supply all the leading kinds, including all the colors of Pansies, Asters, Carnations, Pinks, etc. Order the kind you want and if we do not have it, we will get it and send it to you at once.

On account of lack of space in catalogue we do not find it profitable to catalogue all the various kinds.

VEGETABLE PLANTS AND ROOTS

We handle the output of several large growers and can furnish fine transplanted plants during the season.

Transplanted plants are much stronger and better rooted and do far better than ordinary plants sold on the market.

We do not name the various named varieties that we handle, as it varies with the seasons, but will be glad to send you a list at any time when you are ready to plant.

For those wanting large lots, write for special prices, stating quantity wanted.

During the season, we handle Cabbage, Tomato, Cauliflower, Kale, Broccoli, Pepper, and various other garden plants and would be glad to quote prices at any time.

Rhubarb Roots. Good strong roots at 10c each; 6 for 50c. Postpaid, 15c each; 6 for 65c.

Asparagus Roots. Two year old plants, good and strong. Doz. 30c;. Postpaid doz. 40c; 100 for \$1.50 by freight or express collect.

SEED POTATOES

Send for list and prices when you are ready to buy, as stock and market changes are so that we are unable to quote for any length of time. We carry all the leading varieties at the market prices.

SPRAY MATERIAL

We carry the largest stock of the most reliable spray materials in the city. You will find that our prices are the lowest that can be made on first class goods. You do not want to use anything but the best as it is money thrown away to use poor spray material. Spare the Spray and Spoil the Fruit. Never before has it been so necessary to protect fruit and vegetable crops against the ravages of insects and fungous diseases. This applies to commercial plantations and to the small orchard or garden. The question as to whether spraying pays has been answered. The real problem is one of improving sprays and their method of application.

S-W. Spray Oil, or Spray Mulsion. For Scale, Thrip, etc.

From experiments we have made the past ten years, we find that for Scale on Fruit trees, there is no spray that has the killing effect of the oil spray. Should be applied a dormant spray for this purpose.

Spray-Oil, so far has been the only remedy for thrips; should be used with Black Leaf 40 and applied as soon as the thrip shows. Do not delay as the damage is done within a day or so and crop ruined. 5 gal. can, \$2.50; 50 gal bbl. \$15.00.

S-W. Dry Lime Sulfur. This is taking the place of the old Lime-Sulphur Solution as it has all the advantages and none of the disadvantages of this spray. A 100 lb. drum makes as much spray as a 600 bbl. lb. of the old spray. From tests made the last few years, it has surpassed all other sulphur sprays in various tests.

Used for San Jose Scale, Apple Scab, Peach Curl Leaf, Brown Rot, Pear Psylla, Leaf Blister Mite, etc. Lb. 30c; 5 lbs. \$1.15; 10 lbs. \$2.00; 25 lbs. \$3.75; 50 lbs. \$6.75; 100 lbs. \$12.00; 200 lbs. \$22.00. Add parcel post if wanted by mail.

Lime-Sulphur Solution. For those that prefer the solution, we carry the Dependable Brand and can recommend it as a high grade solution. 50 gal. bbl. \$10.75.

S-W Arsenate of Lead, Dry Powdered. This has supplanted the paste form and is now used in all sections of the U. S. Much more convenient to use, only takes half as much, much more easy to mix, does not freeze, always good, no matter how old. Arsenic and Lead thoroughly combined, eliminating danger from burning. Cannot be sent by mail. ½ lb. 35c; 1 lb. 50c; 4 lbs. \$1.20; 24 lbs. \$7.20; 100 lbs. \$23.50.

S-W Fungi-Bordo Spray, Dry Powdered. The most convenient form of Bordo spray. Easy to handle and mixes readily. Now sold at prices that are cheaper than you can afford to buy the materials and make it. Cannot be sent by mail. Lb. 40c; 5 lbs. \$1.75; 25 lbs. \$5.75; 50 lbs. \$9.75; 100 lbs. \$18.50; 200 lbs. \$35.00.

Black Leaf 40, Nicotine Sulphate. Guaranteed to contain 40% nicotine. When used according to directions it neither burns nor stains fruit or foliage. Used as a fruit spray for thrip and Aphis, as a Hop spray, and as a Sheep Dip. Also used on Garden truck, onions, etc. Cannot be sent by mail. Oz. 35c; ½ lb. \$1.25; 2 lbs. \$3.75; 10 lbs. \$15.50.

Whale Oil Soap. An excellent summer wash for Aphis, etc. Lb. 15c; 25 lbs. \$3.00; Postpaid, 25c lb; 100 lbs., market price.

Tobacco Powder for Dusting. For destruction of Green Fly, Aphis, etc., where fumes cannot be confined Lb. 15c; 10 lbs. \$1.25.

Sulphur. A good grade of sulphur for spraying, etc. Lb. 10c; 10 lbs. 50c; 110 lbs. \$3.25.

Lime. The famous Roche Harbor Lime is the best grade on the market for all purposes. 10 lbs. 30c; 100 lbs. \$3.00.

Bluestone. The best grade for spraying. Lb. 15c; 100 lbs. \$10.00.

Grafting Wax. ¼ lb. 15c; ½ lb. 25c; 1 lb. 40c; Postage extra.

Beeswax. Lb. 85c. Postpaid 95c.

Rosin. Lb. 15c, postpaid. 10 lbs. \$1.40, not postpaid.

Slug Destroyer. This is a powder that you sprinkle around the plants to keep the slugs away. And it does it. Pkg. 25c. Postpaid, 35c.

CARCO VEGETABLE SPRAY

A wonderfully successful spray for destroying root maggots, grubs, etc., that infest Turnips, Radishes, Beets, Rutabagas, Cauliflower, Cabbage, Onions, etc., and also recommend for combatting crown borers in Strawberries. To get best results, the ground should be sprayed freely before planting, then again as soon as the vegetables come up. Dip cabbage plants in a solution of "Carco" before planting. Carco is highly concentrated; use one part "Carco" to 100 to 125 parts of water. Descriptive pamphlet and testimonials on request. ¼ pint cans, prepaid, 40c; Larger sizes by freight or express only; ½ pints 30c; pints 50c; quarts 80c; ½ gal \$1.25; gal. \$2.

Magotite. Insures a good crop of Radishes, Kale, Cabbage, Onions, Turnips, Cauliflower, etc. "Mag-O-Tite" acts as a preventive by repelling the Fly which lays the eggs from which the Maggots are hatched and it also destroys Maggots which are already in the soil. While intended primarily as a remedy for Root Maggots, it has proved very effective in combatting Earth Worms of all kinds, the Strawberry Crown Borer, Cabbage Worms, Asparagus Miner, Flea Beetle, Cut Worms and all kinds of Slugs. Approximate quantity required. A 2-lb package for about 300 feet of drill, or for field culture, 300 to 500 lbs. per acre. 2 lbs. pkg. 35c; 4 lbs. pkg. 60c; 8 lbs. pkg. \$1.00; 25 lbs sack \$2.50; 100 lb. sack \$8.50. Send for folder of directions.

FERTILIZERS

The use of fertilizers is becoming more general each year as it is proving very profitable on many crops.

We handle a reliable line that we can recommend as it has given good results. Special prices on large lots. Write for prices. All prices subject to market changes.

General Fertilizer. This is used on gardens, and for all general crops including cabbage, kale, cauliflower, corn, potatoes, etc. 100 lbs. \$3.50.

Orchard Fertilizer. This is a high grade extra strong fertilizer, balanced up to produce the best results for orchards. 100 lbs. \$5.00.

Berry Fertilizer. This special fertilizer has given wonderful results increasing the crop from 25% to 100% in yield. Made especially for Strawberries, Loganberries, Raspberries, etc. 100 lbs. \$3.50.

Lawn Dressing. This is the best lawn fertilizer we have ever seen on the market.

It certainly makes the grass grow. Also used for flowers, shrubs, rose bushes, etc. 10 lbs. 75c; 25 lbs. \$1.60; 50 lbs. \$3.00; 100 lbs. \$5.00.

Bone Meal. We carry a high grade bone meal for fertilizer that makes a valuable fertilizer for certain crops where a slow acting fertilizer is needed. 10 lbs. 40c; 100 lbs. \$3.

Superphosphate. This is a very valuable fertilizer to use on many crops, wheat, oats, clover, vetch, corn, and all fruits are benefited by the proper use of this form of ammonia. 100 lbs. \$2.50; ton \$42.00.

Soda Nitrogen, Nitrate of Soda. Used where quick action is needed. Also used by a great many as an Orchard dressing and for berries. 10 lbs. 50c; 100 lbs. \$4.00; ton \$70.00.

Sheep Guano. We offer a finely ground, high grade guano that shows a good test. 100 lbs. \$1.50; ton \$23.50.

Land Plaster. Made from pure gypsum, free from clay and other foreign substances. Fine for clover, alfalfa, vetch, peas, corn, beans, potatoes, etc. 100 lbs. 85c; ton \$15.00.

Fertilizer Lime. This is a high grade article and should not be confused with common ground lime rock. Especially valuable for wet, sour land, also used on onion land and for various fruits. 100 lbs. \$1.50.

Plant Food. This is a concentrated fertilizer put up in small packages for house plants and is diluted with water when used. Lb. pkg. 50c.

Agricultural Sulphur. "Toro" Brand. A specially prepared agricultural sulphur to increase crop yields now a proven fact.

"Toro" Brand is sold as Specially Prepared Agricultural Sulphur, and contains besides pure refined flour sulphur other selected ingredients representing in value at least twice the price of sulphur. These products are all obtained in conjunction with other important manufacturing processes, and it would be utterly impossible to sell this new mixture at the same price as our regular grade of agricultural sulphur if these ingredients had to be manufactured for this purpose only. 96% of the "Toro" Brand is available as plant food.

Quantity to apply: "Toro" Brand is packed in 110-lb. sacks, and should be applied at the rate of one sack per acre. It may be sowed broadcast by hand or applied by an ordinary land-plaster sower, lime spreader or fertilizer drill. The important point is to get a uniform distribution.

Time to apply: "Toro" Brand should be worked into the soil in late fall and early spring in order to get the benefit of winter and early spring rains. However, in the irrigated districts it may be applied at any time of the year. It has proven a wonderful success in various parts of the country and found the most valuable of all fertilizers for certain crops, like clover, alfalfa, vetch, field peas, and for fruits.

It has increased these various crops from 50% to 1000% on various tests.

Buy a few sacks and give it a trial for different kinds of crops and see the results. Send for circulars and sample. Price, 110 lb. sack, \$4.95.

READY=MIXED POULTRY FOODS

PRICES SUBJECT TO MARKET

The standard food for poultry of all ages, for all purposes—specially mixed and balanced Chick Food, Developing Food, Laying Food, Scratching Food, Analyzed and tested.

Prices subject to market changes.

Blatchford's Milk Mash for Baby Chicks. Without any doubt, the finest chick starter ever offered on the market. You will not have any sick chicks if you commence and feed this prepared mash. Fed by all the leading poultrymen of the U. S. and always good. Lb. 10c; 25lbs. \$2.00; 100 lbs. \$7.25.

Blatchfords Milk Mash contains 25 carefully ground ingredients mixed in proper proportions. Guaranteed analysis; Protein 20%; Fat 4%; Fiber, not over 7¼%; Carbohydrates 52%.

FISHER'S FEEDS FOR POULTRY

"Is Guaranteed Analysis"

A trial will convince you of their superiority over the much advertised "local brands."

Three years ago we took up the sale of the Fisher's Flouring Mills Co. line of Poultry Foods, because we decided that the Fisher's Foods were the best that money and experience could produce. Our sales are still increasing and thousands of our customers now agree with us that Fisher's Poultry Foods are unequalled in quality and always the same. Prices change but the formula never and you can always depend on getting full value. We claim they are the cheapest because the most profitable. We are in a position to quote the lowest prices.

Fisher's Chick Feed. Feed this as a first feed to the baby chicks, but not until they are at least 48 hours old, figuring from time they are taken out of incubator.

Feed several times a day just a little at a time at first on a board or in feed hoppers. After two days scatter it in the straw litter and make them work for it. Chick feed should be fed for at least two months.

After four or five days start feeding our Chick Starting Mash in addition to the Chick Feed giving just a little three times daily, increasing gradually. (See instructions under Starting Mash. Don't forget "Choline" for chicks—it pays big.) **10 lbs. 40c; 100 lbs. sack \$3.25.**

Fisher's Chick Starter Milk Mash. Start feeding this when chicks are four or five days old in addition to our Chick Feed. Give just a little at a time, three feeds daily, gradually increasing the amount to what they eat up clean in 10 to 15 minutes until they are 10 days old, when it can be left in the hopper before them for an hour or two for a few days, then leave it before them all the time until they are three to four weeks old—but feed Chick Food three times daily in addition in litter, as much as they clean up in 30 minutes. (Special feeding instructions on request.) **10 lbs. 40c; 100 lb. sack \$3.00**

Fisher's Developing Mash. When chicks are four weeks old put them on Developing Mash, feeding in hoppers, having it before them continually in addition to regular grain feeds. This is a great feed to build the chicks up making healthy, strong pullets and will develop them so they can be ready to start the year's work in a vigorous condition. Feed until ready to put them on egg mash rations which should be changed gradually by mixing the two together, slowly increasing the Egg Producer Mash so they are on it complete at about six months of age. **10 lbs. 40c; 100 lb. sack \$2.75.**

Fisher's Growing Feed. This meets the wants of the growing chicks from the time they are eight to ten weeks of age until ready for scratch food. It contains the nutritive elements necessary for the rapid building of tissue and if fed Developing Mash will bring about the quickest possible development. **10 lbs; 40c; 100 lb. sack \$3.00.**

Fisher's Fattening Mash. Prepared expressly to meet the wants of the fancier who lacks weight in his show birds or the grower desiring to quickly fatten and finish young or old stock for the market. It will quickly add weight to a mature or growing fowl. **10 lbs. 40c; 100 lb. sack \$3.00.**

Fisher's Scratch Feed. It is composed of such an attractive variety of wholesome grains as will induce the fowls to scratch and work for it when thrown in the litter; otherwise it would defeat the purpose to feed nothing but whole grains. When fed with Fishers Egg Producer of Buttermilk Mash, it makes an ideal balanced ration supplying the necessary materials for yolks and whites of the egg. Experienced Poultrymen recognize it as the best scratch food the market supplies. **10lbs. 35c; 100 lb. sack \$2.70.**

Fisher's Egg Producer. A mash mixture containing all the ingredients necessary to the matured laying hen; very rich in protein. It renders unnecessary the feeding of blood meal, beef scraps, etc. The rapidly increasing demand for Fisher's Egg Producer proves its real money-making value. Results will prove this the most economical mash on the market. **10 lbs. 35c; 100 lb. sack \$2.60.**

Fisher's Buttermilk Mash. A mash mixture containing the right elements in proper proportions for egg making and body maintenance. It provides the life and vigor promoting fat, keeps the layers in prime condition throughout the year, is strong in egg-making materials, appetizing, easily digested.

Balanced with Fisher's Scratch it completes a balanced body maintaining and egg making nourishment. It keeps the layers up to maximum capacity the year round. Protein, not less than 22%; Fat, not less than 6%; Fibre, not more than 4%. **10 lbs. 35c; 100 lbs. \$2.85.**

Fish Meal. The grade we sell is the best obtainable, it contains nothing but pure fresh fish properly processed and will not taint the eggs. **12 lbs. 85c; 100 lbs. \$5.50.**

Our "Special" Beef Scraps. Are rich in materials which make bone, muscle and lean meat. They insure health, thrift and vigor, and satisfy the natural craving of the bird's system for flesh-food in some form. Rich in protein. Can be fed dry or with cooked rations. **Lb. 10c; 10 lbs. 75c; 100 lbs. \$6.00.**

Granulated Bone—"Special". We offer only highest quality white, pure, and clean. Rich in phosphates, lime and protein. Should be kept before your chickens at all times. Feed in a Sanitary Shell and Grit Box. **6 lbs. 25c; 10 lbs. 40c; 100 lbs. \$3.00.**

Oyster Shell Crushed. Best grade pure hard Eastern oyster shell, crushed and sifted. Supplies lime material for egg shells. Does not take the place of grit as some think. Hens must have both shell and grit. Oyster shells should be within reach of your hens at all times. **10 lbs. 25c; 100 lbs. sack \$1.75.**

Grit. Best Grade. Every poultry raiser should keep a supply of this grit in each pen. Baby chicks and ducklings must have it. Made in three sizes, chick, pigeon or broiler and hen size. We always send hen size unless otherwise ordered. **12 lbs. 25c; 100 lb. sack \$1.50.**

Alfalfa Meal. The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts. **100 lbs. \$1.70.**

Charcoal. Our stock is prepared especially for poultry and of highest quality obtainable; a preventative of bowel trouble, sour crop and indigestion; a health preserver. State size wanted. **A, for mash, B, for chicks, C, for large chickens or hens. Lb. 10c; 3 lbs. 25c; 10 lbs. 75c; 50 lbs. \$2.75.**

Poultry Pepper. A good tonic and invigorator. Ground. **1 lb. 30c.**

FISHER'S CALF MEAL

Fisher's Calf Meal. Dairymen who sell whole milk must look for a milk substitute on which to raise their calves. Fisher's Calf Meal is a perfect substitute and is absolutely guaranteed if fed as directed.

Fisher's Calf Meal is a scientific product produced under perfect sanitary conditions and contains the proper proportion of oatmeal, cornmeal, soybean meal, linseed oil meal, milo maize meal, blood meal and a little salt. **25 lb. sack \$1.35; 50 lb. sack \$2.50.**

BEE SUPPLIES

SECTION HONEY BOXES

(Description and prices. Order by number)

Our No 1 Sections are made of the choicest white basswood lumber and are perfect in finish, and free from defects. They are not all snow white, but vary from that to a light cream color. Choice honey shows off to best advantage in a section not too white, as it is the honey rather than the wood that the consumer looks to. **Price per 100 \$2.00; 500 \$8.25.**

SECTION HOLDERS

Six section holders, with separators, one follower and wedge, are put in each super, and each holder holds four 1-lb. honey boxes. The bottom strip is $\frac{1}{4}$ inches thick, and is cut to fit in sets of sections, $1\frac{7}{8} \times 18\frac{1}{2}$ inches, slotted. **Each 5c; 100 \$4.50.**

DOVETAILED PINE HIVES

No. 1. Dovetailed hive, complete with one super. Consists of one bottom board, one body, one super, one cover, eight Hoffman Brood Frames, one division board, six section holders, 24 sections and foundations started for frames, and sections and nails. **Nailed, \$4.25 each; per 5, K. D. flat. \$17.50.**

No. 2. Hive is the same as No. 1, less sections and foundation starters. **Nailed, \$3.75, each; per 5, K. D. flat \$15.00.**

DOVETAILED SUPERS

No. 1. Pine with sections, foundation starters. **Nailed \$1.60, each; per 5, K. D. flat, \$7.00.**

No. 2. Pine, less sections and starters. **Nailed, \$1.25 each; per 5, K. D. flat, \$5.25.**

No. 0. Empty, pine or cedar. **Nailed, 80c each; per 5, K. D. flat, \$3.50.**

COMB FOUNDATION

Packed in 1, 2, 3, and 5-pound paper boxes, of 25 pounds in a case. Light standard brood grade, 6 to 7 square feet per lb. **Price per lb. 85c.** Light section grade 11 to 12 square feet per lb. **Price per lb. 90c.** If foundation is wanted by mail, add 6c per lb. up to two lbs., and 2c per lb. over 2 lbs..

HOFFMAN BROOD FRAMES

The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames out. The top bar is made with a beveled strip which holds the foundation absolutely in place, perfectly straight and exactly in center of top bar. Anyone can put foundation in these new frames very rapidly. **Price, Hoffman Frames, per 10, 80c; per 100, \$7.00.**

SEPARATORS

One separator should always be placed between each section holder so that the bees will build the honey comb even in each section. Slotted wood separator, $4\frac{1}{2} \times 18$, **per doz. 15c; per 100 \$1.00.**

BEE VEILS

Hat Veils. These veils have a rubber band around the top so as to fit the hat snugly.

The lower end is bound, to prevent fraying. The kinds of material are given below. **Price list (postpaid).** No 2. Veil, cotton tulle, with silk tulle face, \$1.50; No. 3 Veil, cotton tulle throughout, \$1.35.

Globe Veils. Each \$1.65.

BEE ENTRANCE GUARDS

Root's or Tinker's. These are to admit workers and exclude drones. After the drones are all out, fix the guards over the entrance, and at night the drones can be destroyed. **Price 35c; by mail 45c.**

TINNED WIRE

No. 30. Per spool 10c; postpaid; $\frac{1}{4}$ lb. spool, 25c, postpaid 30c.

BEE SMOKERS

Clark's Cold Blast. Probably the most popular smoker in use today is the Cold Blast, although many are now changing to the hot blast, claiming that they are more effective. The Clark is the best low-priced smoker. **Price \$1.25; by mail \$1.35.**

Root Smoker. It is neat in appearance and does not topple over easy. Makes a good strong blast, with little work. Very substantial. **Price standard, 3 $\frac{1}{2}$ inch, \$1.60; by mail, \$1.70.**

A B C Bee Culture For the veteran as well as the beginner. While the book is in a true sense an A B C of Bee Culture, in that it is adapted to the requirements of the beginners, no veteran, no matter how extensive his experience, can afford to be without a work of this kind, containing as it does, a carefully prepared treatise on every late method of practice known to the business. **500 pages, postpaid, \$3.15.**

MISCELLANEOUS

BARRELS AND KEGS

We carry a complete stock suitable for meat, fish, cider, vinegar, kraut, etc.

5 gallon keg	\$1.00	15 gallon keg	\$2.00	30 gallon barrel	\$3.00
10 gallon keg	1.50	20 gallon keg	2.50	50 gallon barrel ...	4.50

BROADCAST SEEDERS

Cyclone. The handiest small seeder on the market. Very convenient. **Price, each \$3.00.**

Horn Seeder. Very handy to use for small seeds, like clover and timothy. **Each \$1.25.**

PLANT SETTERS

Master's. For planting cabbage, kale, celery, etc. With this little planter you can plant, water and fertilize ten thousand plants a day. **Price, each \$6.50.**

CORN PLANTERS

Crescent. A two-handed planter; strong and durable. **Price, \$1.50.**

Segment. Very accurate in planting. **Price, \$2.50.**

HAND CULTIVATOR AND SEEDER

We have a good high grade hand plow and cultivator that is very convenient for garden use. Complete with all necessary attachments. **Price \$5.00.**

The same plow with seed drill attachments. **Price, \$8.50.**

TRAPS

Reddick Mole Traps. The best trap for catching moles on the market. **Each, \$1.50; postpaid, \$1.65.**

THE CINCH GOPHER TRAP

The only safe and successful device for catching this pest. No dangerous gun; no ammunition. Easy to operate and when set properly is a "cinch" sure enough. Any boy can clean the ranch with them. Will also catch moles, rats, etc. **Price 85c, with scoop for opening hole. Sold several hundred of these traps the past season and they all gave fine satisfaction. Guaranteed to do the work or money back. Postpaid \$1.** State whether for moles or gophers.

OUT O'SIGHT MOLE TRAP

One of the best. Sure to "get them". **Price \$1.50; postpaid, \$1.60.**

SQUIRREL POISON

We handle a reliable brand of squirrel poison that does the work. **Can 50c.**